

Serial Number: 09/813,314

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_



OIPE

## RAW SEQUENCE LISTING

DATE: 08/01/2002

PATENT APPLICATION: US/09/813,319A

TIME: 21:03:40

Input Set : N:\Crf3\07302002\I813319A.raw

Output Set: N:\CRF3\08012002\I813319A.raw

1 <110> APPLICANT: WEI, Ming-Hui et al  
 2 <120> TITLE OF INVENTION: ISOLATED HUMAN PHOSPHATASE PROTEINS,  
 3 NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHATASE PROTEINS,  
 4 AND USES THEREOF  
 5 <130> FILE REFERENCE: CL001066-CIP  
 C--> 6 <140> CURRENT APPLICATION NUMBER: US/09/813,319A  
 7 <141> CURRENT FILING DATE: 2001-03-21  
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Output Set: N:\CRF3\08012002\I813319A.raw

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56   Glu Glu Val Ala Leu Tyr Cys Ala Lys Tyr Leu Pro Asp Ile Ile Lys
57     65           70           75           80
58   Asp Gln Lys Ala Tyr Lys Glu Gly Lys Leu Gln Lys Ala Leu Glu Asp
59           85           90           95
60   Ala Phe Leu Ala Ile Asp Ala Lys Leu Thr Thr Glu Glu Val Ile Lys
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68   Lys Val Leu Thr Leu Thr Asp Asp His Glu Phe Met Val Ile Ala Cys
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72   Gln Ser Lys Ile Ser Gln Arg Asp Glu Asn Gly Glu Leu Arg Leu Leu
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74   Ser Ser Ile Val Glu Glu Leu Leu Asp Gln Cys Leu Ala Pro Asp Thr
75           210          215          220
76   Ser Gly Asp Gly Thr Gly Cys Asp Asn Met Thr Cys Ile Ile Ile Cys
77           225          230          235          240
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226      gctcactgca gcttctgcct cctgggttct agcaatttgc ctacccagc ctcccaagta 7980
227      gctgggatta caggcactcg ccaccatgcc cagctaaact ttttgtattt ttagtagaga 8040
228      aggggttttc ccatgctggc gagtctgttc ttgaacttct ggctcaagt gatctgccc 8100
229      cctcagcctc ccaaagtgtt ggaattacag gcatgagcca ctgtgcccgg cttttttatt 8160
230      ttttaaatta tttatgtatt tattttgaga caggatctca ctcttgccca tgcttgagtg 8220
231      gtaaggagta tgggatttct tgtgccgtt ccttcacatc ctactacac ttatctgcct 8280
232      ttacagtgcc tcgatcatag ttcaactgcat agccttctgg gctcaagggg tcttccagcc 8340
233      tcagcctaata ataggcacat gccaccatga ctggctaatt tttttttttt aagttttttt 8400
234      ttgtagagat agggccttgc agtgttggcc aggctgagga attttatttt tgtttatttt 8460
235      atttatttat ttatttattt atttatttat ttatttattt attgagatgg agtcttacac 8520
236      tgtcacccag gctggagtgc agttgcgcgg tctcagctac tgcaagctcc gcctcccggg 8580
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238      gcctggctaa ttttttgtgt gtgttttttag tagaggcggg gtttcaccat gttagccagg 8700
239      atggtctcga ttcttgacct cgtgatccac ccacatcggc ctcccaaagt gctgggatta 8760
240      cagggtgtgag ccaccatgcc tggctagaa attattttat attttatacc attgccttat 8820
241      aagttctcaa gcaactggaa aatacaatca gaacgtattc ctcaagattt caaggatatt 8880
242      ttacacaaag ttctattgtc tgattcctta gcagttgtta ctactgtttc cctaacctct 8940

```



OIIPE

## RAW SEQUENCE LISTING

DATE: 07/30/2002

PATENT APPLICATION: US/09/813,319A

TIME: 14:19:14

Input Set : A:\SEQLIST\_CIP\_20010321.TXT

Output Set: N:\CRF3\07302002\I813319A.raw

Does Not Comply  
Corrected Diskette Needed

4 <110> APPLICANT: WEI, Ming-Hui et al  
6 <120> TITLE OF INVENTION: ISOLATED HUMAN PHOSPHATASE PROTEINS,  
7 NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHATASE PROTEINS,  
8 AND USES THEREOF  
10 <130> FILE REFERENCE: CL001066-CIP  
12 <140> CURRENT APPLICATION NUMBER: 09/813,319A  
13 <141> CURRENT FILING DATE: 2001-03-21  
15 <150> PRIOR APPLICATION NUMBER: 09/752,820  
16 <151> PRIOR FILING DATE: 2001-01-03  
18 <160> NUMBER OF SEQ ID NOS: 7  
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

686 <210> SEQ ID NO: 7  
687 <211> LENGTH: 139  
688 <212> TYPE: PRT  
689 <213> ORGANISM: Mus musculus  
691 <400> SEQUENCE: 7  
692 Met Gly Ala Tyr Leu Ser Gln Pro Asn Thr Val Lys Cys Ser Gly Asp  
693 1 5 10 15  
694 Gly Val Gly Ala Pro Arg Leu Pro Leu Pro Tyr Gly Phe Ser Ala Met  
695 20 25 30  
696 Gln Gly Trp Arg Val Ser Met Glu Asp Ala His Asn Cys Ile Pro Glu  
697 35 40 45  
698 Leu Asp Asn Glu Thr Ala Met Phe Ser Val Tyr Asp Gly His Gly Gly  
699 50 55 60  
700 Glu Glu Val Ala Leu Tyr Cys Ala Lys Tyr Leu Pro Asp Ile Ile Lys  
701 65 70 75 80  
702 Asp Gln Lys Ala Tyr Lys Glu Gly Lys Leu Gln Lys Ala Leu Gln Asp  
703 85 90 95  
704 Ala Phe Leu Ala Ile Asp Ala Lys Leu Thr Thr Glu Glu Val Ile Lys  
705 100 105 110  
706 Glu Leu Ala Gln Ile Ala Gly Arg Pro Thr Glu Asp Glu Asp Asp Lys  
707 115 120 125  
708 Asp Lys Val Ala Asp Glu Asp Asp Val Asp Asn  
709 130 135

E--&gt; 714 13

## VERIFICATION SUMMARY

DATE: 07/30/2002

PATENT APPLICATION: US/09/813,319A

TIME: 14:19:15

Input Set : A:\SEQLIST\_CIP\_20010321.TXT

Output Set: N:\CRF3\07302002\I813319A.raw

L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:3720  
L:171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:3780  
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:3840  
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:3900  
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:3960  
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4020  
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4080  
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4140  
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4200  
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4260  
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4320  
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4380  
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4440  
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4500  
L:184 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4560  
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4620  
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4680  
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4740  
L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4800  
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4860  
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4920  
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:4980  
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5040  
L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5100  
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5160  
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5220  
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5280  
L:197 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5340  
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5400  
L:199 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5460  
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5520  
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5580  
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5640  
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L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5760  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5820  
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5880  
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:5940  
L:208 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:6000  
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:6060  
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:14160  
L:345 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:14220  
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:14280  
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:14340  
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:14400  
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:14460  
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:22380  
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:22440



VERIFICATION SUMMARY

DATE: 07/30/2002

PATENT APPLICATION: US/09/813,319A

TIME: 14:19:15

Input Set : A:\SEQLIST\_CIP\_20010321.TXT

Output Set: N:\CRF3\07302002\I813319A.raw

L:483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:22500  
L:484 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:22560  
L:714 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7